



Water-Data Report 2008

01596500 SAVAGE RIVER NEAR BARTON, MD

Potomac Basin
North Branch Potomac Subbasin

LOCATION.--Lat 39°34'12.2", long 79°06'07.0" referenced to North American Datum of 1983, Garrett County, MD, Hydrologic Unit 02070002, on right bank 0.9 mi upstream from Bear Pen Run, 1.5 mi downstream from Poplar Lick Run, 5.4 mi northwest of Barton, and 10 mi upstream from mouth.

DRAINAGE AREA.--49.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1948 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,603.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good below 1000 ft³/s and fair above. Records for estimated daily discharges (ice effect, missing record), are poor. U.S Geological Survey satellite collection platform at station. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 7	0115	956	3.54
Mar 5	0330	*1,820	*4.55
May 12	0830	847	3.39
May 31	1515	956	3.54

Minimum discharge, 1.8 ft³/s, Oct. 11.

Water-Data Report 2008

01596500 SAVAGE RIVER NEAR BARTON, MD—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.4	14	32	127	e41	e65	43	132	495	23	20	11
2	2.3	12	33	105	e55	e64	40	111	234	19	424	9.1
3	2.2	10	256	100	99	e63	36	115	141	16	162	8.0
4	2.2	9.6	194	164	115	327	43	162	275	26	81	7.1
5	2.2	9.0	134	193	323	1,270	46	133	361	36	52	6.4
6	2.2	12	93	177	681	555	44	115	214	43	43	6.9
7	2.3	12	76	130	776	292	43	96	132	82	32	6.4
8	2.3	9.2	81	131	448	231	43	85	90	95	26	5.3
9	2.1	8.5	293	126	276	172	43	94	64	58	22	9.6
10	2.4	9.4	697	108	195	135	42	501	49	43	18	9.6
11	2.0	8.5	397	365	141	120	42	570	45	30	16	6.6
12	2.3	16	229	398	e95	106	42	794	31	24	14	12
13	2.4	24	331	262	e80	90	38	539	65	20	13	87
14	2.1	28	629	188	e73	81	35	312	79	17	17	38
15	2.4	107	346	142	68	85	31	202	82	14	12	25
16	2.3	105	237	111	57	75	28	273	57	11	9.9	18
17	2.3	77	168	92	58	64	26	293	82	10	8.8	13
18	2.3	59	131	82	151	83	25	401	62	9.2	8.0	11
19	2.9	48	109	71	169	256	24	413	50	9.2	7.4	9.3
20	3.6	43	94	e56	149	502	98	333	39	10	6.6	8.4
21	3.5	39	81	e52	127	309	345	274	33	12	5.8	7.8
22	3.1	35	71	e49	124	209	503	209	54	38	5.4	7.1
23	3.0	31	166	e48	106	154	335	146	35	61	4.8	6.7
24	15	26	383	e47	80	115	206	110	28	44	4.3	6.1
25	42	24	260	e45	77	91	142	84	23	28	4.2	5.5
26	34	24	180	e44	e74	76	111	e82	20	21	4.0	6.8
27	68	42	142	e44	e71	70	85	e87	28	21	4.2	10
28	43	41	114	e43	e68	66	116	87	23	17	46	26
29	27	40	152	e43	e67	54	133	64	25	13	54	16
30	21	37	147	e42	---	46	139	53	28	17	25	12
31	18	---	144	e42	---	43	---	408	---	25	16	---
Total	324.8	960.2	6,400	3,627	4,844	5,869	2,927	7,278	2,944	892.4	1,166.4	411.7
Mean	10.5	32.0	206	117	167	189	97.6	235	98.1	28.8	37.6	13.7
Max	68	107	697	398	776	1,270	503	794	495	95	424	87
Min	2.0	8.5	32	42	41	43	24	53	20	9.2	4.0	5.3
Cfsm	0.21	0.65	4.20	2.38	3.40	3.86	1.99	4.78	2.00	0.59	0.77	0.28
In.	0.25	0.73	4.85	2.75	3.67	4.45	2.22	5.51	2.23	0.68	0.88	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	25.5	53.6	88.7	96.6	123	184	140	96.6	50.0	20.0	18.3	21.8
Max	157	336	256	251	307	362	343	235	218	111	116	233
(WY)	(1955)	(1986)	(1973)	(1952)	(1956)	(1994)	(1993)	(1996)	(2003)	(1989)	(1956)	(1996)
Min	1.52	2.29	2.37	13.7	19.4	30.8	33.0	21.8	5.48	2.60	1.57	1.56
(WY)	(1964)	(1999)	(1999)	(1977)	(1954)	(1990)	(1968)	(1991)	(1965)	(1999)	(1999)	(2005)

01596500 SAVAGE RIVER NEAR BARTON, MD—Continued**SUMMARY STATISTICS**

	Calendar Year 2007		Water Year 2008		Water Years 1948 - 2008	
Annual total	28,133.4		37,644.5			
Annual mean	77.1		103		76.2	
Highest annual mean					138	1996
Lowest annual mean					34.9	1954
Highest daily mean	888	Apr 15	1,270	Mar 5	2,180	Nov 5, 1985
Lowest daily mean	2.0	Oct 11	2.0	Oct 11	0.50	Sep 2, 1966 ^a
Annual seven-day minimum	2.2	Oct 3	2.2	Oct 3	0.63	Aug 29, 1966
Maximum peak flow			1,820	Mar 5	b7,510	Oct 15, 1954
Maximum peak stage			4.55	Mar 5	8.45	Oct 15, 1954
Instantaneous low flow			1.8	Oct 11	0.40	Sep 3, 1966 ^c
Annual runoff (cfsm)	1.57		2.09		1.55	
Annual runoff (inches)	21.31		28.52		21.10	
10 percent exceeds	209		275		188	
50 percent exceeds	24		48		34	
90 percent exceeds	3.5		6.6		3.8	

^a Sept. 2, 3, 12, 1966.^b From rating curve extended above 1,600 ft³/s on basis of slope-area measurement of peak flow.^c Sept. 3, 4, 1966.